Manuals
Service Manual

Welch Allyn

VIDEO EPISCOPE
WELCH ALLYN MODEL 47370

Thank you for purchasing the Welch Allyn Video Episcope. To ensure accurate and reliable performance, please follow the operating and maintenance instructions found in this manual. These instructions supplement the instructions found in the operators manuals for the EPISCOPE™ Skin Surface Microscope, "A Guide to the Examination of Pigmented Skin Lesions", and the Welch Allyn Illumination and Imaging System.

⚠ **Warnings(Avertissements)**

⚠ To be used only with Welch Allyn Imaging and Illumination System. (A utiliser seulement avec le Systeme Imageur LCI 200 de Welch Allyn)

⚠ To be used only with IEC 601- l approved monitor. (A utiliser seulement avec un monitor homologue IEC 601-l)

⚠ Equipment not to be used in the presence of flammable anesthetic misture with air, or with Oxygen or Nitrous Oxide.

IPXO Not protected against the ingress of water

⚠ Potential bright light can be emitted from illumination source. Do not look directly into the light.

Type BF Equipment.

Equipment designed for continuous mode of operation.

Transport/Storage -4° F (-20° C) to 120° F (+49° C). 95% Relative Humidity Maximum.

System Description
The Model 47370 Video Episcope is used with the Welch Allyn Illumination & Imaging System for Skin Surface Microscopy. There are five major components to the system:

- **Episcope-** Contains the contact plate and integrated focusing optics to provide a 12mm field of view, and a threaded port to accept the universal light post end of a 5mm diameter fiber optic bundle.
- **CCD Camera Head and Cable-** Houses the CCD camera.
- **Fiber Optic Bundle-** Plugs into the Power Box and transmits light.
- **Power Box-** Houses the lamp, video processor and power supply.
- **Monitor-** Color video monitor, available in 5" or 13" screen size.
- **Color Video Printer-** Optional.

System Set Up

The Video Episcope system is simple to setup.

Connect the Video Episcope to the Camera Head by engaging the threads of each component and threading until hand tight. To adjust the orientation of the fiber optic bundle port on the Episcope, loosen the Episcope from the Camera Head and either tighten or loosen the adjustment ring on the Episcope. Then re-tighten the episcope to the camera head Plug the LEMO connector at the end of the camera cable into the mating connector on the
front panel of the Imaging and Illumination Platform Box.

Thread the universal light post into the illumination port at the front end of the Episcope.

Plug the opposite end of the fiber optic bundle into the Illumination port on the front panel
of the Platform box.

Following the Imaging and Illumination system instructions, connect the Platform Box to a video monitor and turn on the system.

Position the Episcope on the skin surface and adjust the focus as necessary
until the reticle on the cover plate is in focus.

Rotate the cover plate on the episcope until the reticle is oriented correctly on the video
screen.

For additional information, refer to the Episcope (non-video) and Welch Allyn Imaging and Illumination System manuals.

Cleaning

Follow the cleaning procedures described in the manuals for the episcope and the Welch Allyn Imaging and Illumination System. Do not immerse any components except the contact plate.

Service

For questions relating to maintenance, service, or operation of the Video Episcope, call the Welch Allyn Customer Service at (315) 685-4100.

Warranty

The Video Episcope is guaranteed by Welch Allyn against all manufacturing defects. Welch Allyn wili repair or replace, free of charge, any parts of its own manufacture proven to be defective through causes other than misuse, neglect, damage in shipment, or normal wear. The Video Episcope contact plate is guaranteed for one year from date of purchase.

CE The CE Mark on this device indicates it has been tested to and conforms with the provisions noted within the 93/42/EEC Medical Device Directive.

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